



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

re Patent Application of

NOBLE et al.

Atty. Ref.: 117-380

Serial No. 10/069,291

TC/A.U.: 2621

Filed: March 12, 2002

Examiner: C. Lavin

For: NON-RIGID MOTION IMAGE ANALYSIS

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July 18, 2005

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith. It is further understood that the Examiner will consider information that had been cited by or submitted to the U.S. Patent and Trademark Office in a prior application relied on under 35 U.S.C. § 120. 1138 OG 37, 38 (May 19, 1992).

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Applicants have checked the appropriate boxes below.

1.  This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No statement under 37 C.F.R. § 1.97(e) or fee is required. In the event, a first Office Action has been mailed prior to filing of the present Information Disclosure Statement, the Office is requested to treat the present paper as a submission under 37 C.F.R. § 1.97(c) and charge the undersigned's Deposit Account No. 14-1140 for the fee required by 37 C.F.R. § 1.17(p). The present paper is submitted in duplicate for this purpose.

2.  This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.

- a.  Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
- b.  No item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- c.  For purposes of patent term adjustment under 37 C.F.R. 1.704, each item of information contained in the Information Disclosure Statement was cited in communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.704(d).
- d.  Attached is our Check in the amount of \$180.00 in payment of the fee under 37 C.F.R. § 1.17(p).

3.  This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. It is hereby requested that the Information Disclosure Statement be considered. Attached is our Check No. in the amount of \$ in payment of the fee under 37 C.F.R. § 1.17(i).

- a.  I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
- b.  I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

4.  Relevance of the non-English language document(s) is discussed in the present specification.

5.  The document(s) was/were cited in a corresponding application no. A copy of the office action is attached for the Examiner's convenient reference.

6.  A concise explanation of the relevance of the non-English language document(s) appears below:

7.  The Examiner's attention is directed to co-pending U.S. Patent Application No. , which are directed to related technical subject matter. The identification of this U.S. Patent Applications are not to be construed as a waiver of secrecy as to that application now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited applications and the art cited therein during examination.

8.  Copies of the documents were cited by or submitted to the Office in Application No. , filed , which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and to indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 14-1140 referencing docket number 117-380.

Respectfully submitted,

**NIXON & VANDERHYE P.C.**

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(Use several sheets if necessary)

**ATTY. DOCKET NO.**

SERIAL NO.

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## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)**

	Kita <i>et al.</i> , "CORRESPONDENCE BETWEEN DIFFERENT VIEW BREAST X-RAYS USING A SIMULATION OF BREAST DEFORMATION"; Proceedings 1998 IEE Computer Society Conference on Computer Vision and Pattern Recognition, Santa Barbara, CA, 23-25 June 1998, pages 700-707, XP002169274.
	INSPEC Abstract Accession no. 6398151, Muller <i>et al.</i> , 22 February 1999.
	Strickland <i>et al.</i> , "Computing Correspondence in a Sequence of Non-Rigid Shapes, PATTERN RECOGNITION, Pergamon Press Inc., Elmsford, NY, vol. 25, no. 9, 1 September 1992, pages 901-912.
	Cham <i>et al.</i> , "A Statistical Framework for Long-Range Feature Matching in Uncalibrated Image Mosaicing", Computer Vision and Pattern Recognition, Proceedings 1998 IEEE Computer Society Conference on 23-25 June 1998, Pages 442-447.
	JIANZIN HOU ET AL; "ORIENTATION SELECTIVE OPERATORS FOR RIDGE, VALLEY EDGE, AND LINE DETECTION IN IMAGERY"; Proceedings of the International Conference on Acoustics, Speech and Signal Processing (ICASSP). I. Image and Multidimensional Signal Processing. Adelaide, 19-22 April 1994, New York, IEEE, US, vol. 5, Conf. 19, 19 April 1994, pages V-25-V-28, XP000533688.
	VEGA-RIVEROS ET AL; "REVIEW OF MOTION ANALYSIS TECHNIQUES"; IEE Proceedings I. Solid-State & Electron Devices, Institution of Electrical Engineers, Stevenage, GB, vol. 136, no. 6, Part 1, 1 December 1989, pages 397-404, XP000080261.

\*Examiner

### Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.



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